



Auxiliary Products

FVR, FVR-D

Description

FVR strainer is used in heating and hotwaterservice systems to protect the fittings. The strainer filter traps foreign matters in the pipe water like welding beads, swarf, sand, etc. FVR must be fitted in the system flow to protect the fittings from external foreign matters. FVR must also be fitted ahead of sensitive components like meters, pumps, control valves to protect against internal foreign matters.

Features & benefits

- Replaceable filter
- Version with draining ball valve (FVR-D)

Ordering

Product code numbers

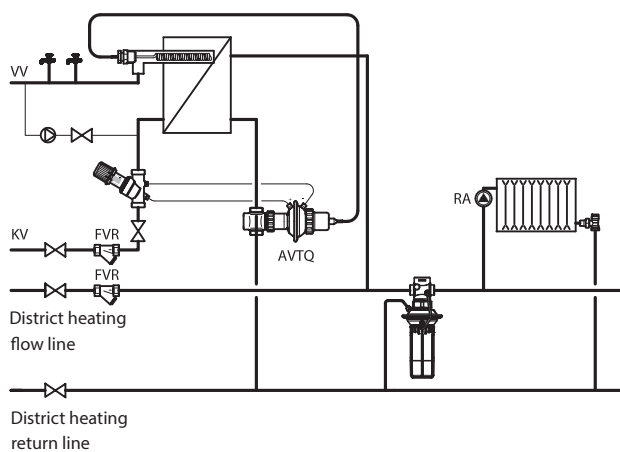
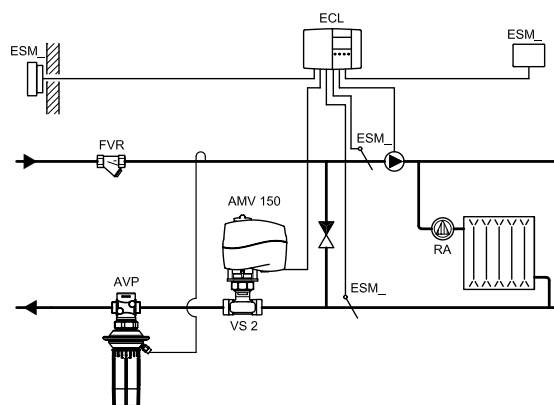
Type	Diameter [mm]	Kvs values [m ³ /h]	Code number
FVR	10	3.00	065B8234
FVR	15	4.50	065B8235
FVR	20	7.90	065B8236
FVR	25	11.20	065B8237
FVR	32	17.00	065B8238
FVR	40	24.50	065B8239
FVR	50	36.00	065B8240
FVR-D	15	4.50	065B8241
FVR-D	20	7.90	065B8242
FVR-D	25	11.20	065B8243
FVR-D	32	17.00	065B8244
FVR-D	40	24.50	065B8245
FVR-D	50	36.00	065B8246

Accessories code numbers

Type	Description	Code number
FVR Screens	Screen and O-ring for FVR/FVR-D DN10-15	065B8247
FVR Screens	Screen and O-ring for FVR/FVR-D DN20	065B8248
FVR Screens	Screen and O-ring for FVR/FVR-D DN25	065B8249
FVR Screens	Screen and O-ring for FVR/FVR-D DN32	065B8250
FVR Screens	Screen and O-ring for FVR/FVR-D DN40	065B8251
FVR Screens	Screen and O-ring for FVR/FVR-D DN50	065B8252

Overview

Application examples





Product details

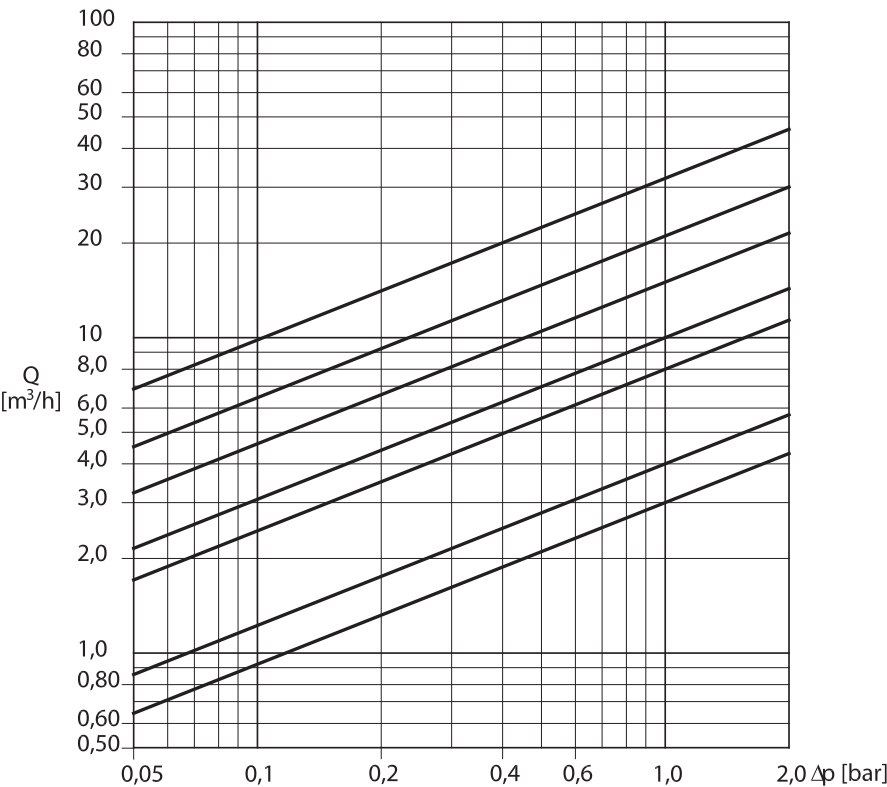
General data

Technical data

Nominal diameter, DN	10	15	20	25	32	40	50
Value k_{VS} (m ³ /h)	3.0	4.0	8.0	10	15	21	32
Nominal pressure, PN	25	25	25	25	25	25	25
Medium	Circulation water, glycolic water up to 50 %						
Medium pH	Min. 7, Max. 10	Min. 7, Max. 10	Min. 7, Max. 10	Min. 7, Max. 10	Min. 7, Max. 10	Min. 7, Max. 10	Min. 7, Max. 10
Medium temperature (°C)	FVR: -20 ... 130 °C, FVR-D: -15 ... 130 °C						
Mesh size (µm)	500	500	500	500	500	500	500
Number of meshes (n/cm ²)	50	50	50	50	50	50	50
Connection	Internal thread Rp	Internal thread Rp	Internal thread Rp	Internal thread Rp	Internal thread Rp	Internal thread Rp	Internal thread Rp

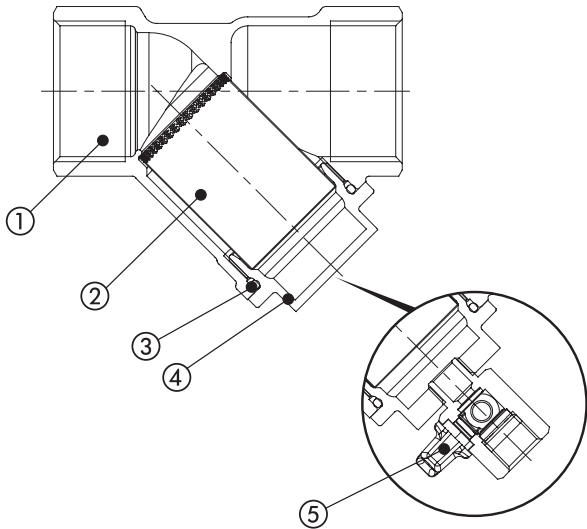
Sizing

Headloss chart



Design

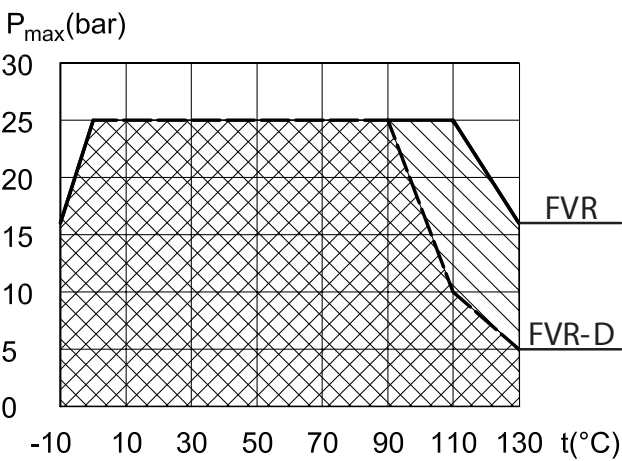
- 1 Valve body
- 2 Screen
- 3 O-ring
- 4 Plug
- 5 Draining ball valve



Materials

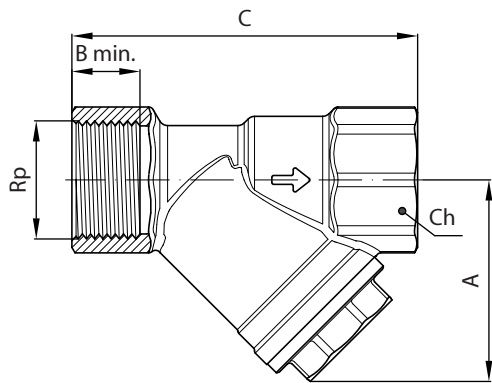
Nominal diameter, DN	10, 15, 20, 25, 32, 40, 50
Body (strainer)	Dezincification free brass
Plug (strainer)	Dezincification free brass
Screen	Stainless steel
O-ring	EPDM
Body (ball valve)	Brass

Pressure and temperature data

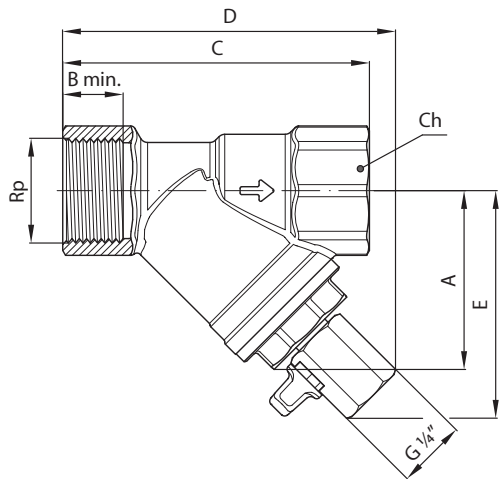




Dimensions



FVR



FVR-D

Type	DN	Connection (Rp)	A (mm)	B (mm)	C (mm)	Ch (mm)	filter Ø (mm)	D (mm)	E (mm)
FVR	10	3/8	40	12.3	57	26	19	-	-
	15	1/2	39	15	67	26	19	-	-
	20	3/4	49	16.3	81	32	26	-	-
	25	1	57	19.1	97	39	31	-	-
	32	1 1/4	66	21.4	104	48	36	-	-
	40	1 1/2	74	22	118	55	43	-	-
	50	2	94	26.3	145	67	56	-	-
FVR-D	15	1/2	39	15	67	26	19	84	60
	20	3/4	49	16.3	81	32	26	93	66
	25	1	57	19.1	97	39	31	105	72
	32	1 1/4	66	21.4	104	48	36	111	80

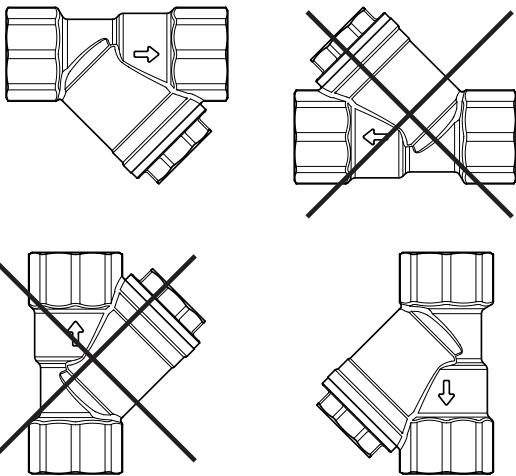
Installation

Installation positions

The medium flow direction must correspond to an arrow on the strainer body.

Strainers are to be installed in horizontal position with mesh bonet directed downwards. Vertical position is also allowed (be aware - when medium flows upwards strainer retains all foreign particles but is not able to collect them).

Sufficient space to pull out the mesh for replacement and cleaning must be ensured.



Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the 'Declaration of Conformity'. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

Approval type	Title	Issuer	Approval topic
Pressure Safety Certificate	LLC CDC EURO-TYSK UA.TR.089.1011.03-22	LLC CDC EURO TYSK - Ukraine	Pressure
UA Declaration	Danfoss UA 2023-01-10 Heating Filters PL08	Danfoss	Pressure
Export Control Declaration	Strainers	Danfoss	
EU Declaration	PL25 EU Declaration packaging	Danfoss	Packaging

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